




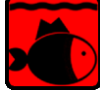
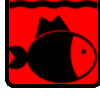


Assessment Summary

Pond Creek 5.0 to 7.5 KY501042_02	 <p>This part of the stream does not support aquatic life, partially supports swimming (Primary Contact Recreation).</p>
Old Channel to Plum Creek	
Muhlenberg County, Green River Basin	
HUC 05110003	
Assessment Date: 11/25/2013	


Use	Cause of Impairment	Suspected Source(s) of Impairment	Basis for Listing	Data Collection and Analysis Methods ^{1,2,3}
 (5-PS)	Escherichia coli	Non-Point Source, Upstream Source	Concentrations exceeded the water quality standard	Pathogen Monitoring
 (5-NS)	Cadmium	Legacy coal extraction	Concentrations exceeded the water quality standard	Physical/Chemical Monitoring
 (5-NS)	Chloride	Inappropriate Waste Disposal, Petroleum/natural Gas Activities	Concentrations exceeded the water quality standard	Physical/Chemical Monitoring
 (5-NS)	Iron	Legacy coal extraction	Concentrations exceeded the water quality standard	Physical/Chemical Monitoring
 (5-NS)	Sedimentation/Siltation	Channelization, Streambank Modifications/destabilization	Sediment deposition is negatively affecting the aquatic community (e.g. habitat smothering) and/or recreation	Physical/Chemical Monitoring
 (5-NS)	Specific Conductance	Legacy coal extraction	Elevated dissolved substances are negatively affecting the aquatic community	Physical/Chemical Monitoring

¹ Data locations: Physical/chemical monitoring data and pathogen data can be found on the EPA Water Quality Portal; chemical monitoring data for regulated facilities (e.g. wastewater and drinking water) can be found in the EPA ECHO database (online); biological monitoring summary scores and habitat assessment scores can be found in the EPA STORET database (online); and raw community species data and fish tissue analysis data are available on request through KDOW Open Records (expected in STORET 2015).

² Data Source(s): KDOW, WKU

³ Data Collection Date(s): 11/18/2010 - 10/20/2011

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 (5-NS)	Total Dissolved Solids	Legacy coal extraction	Elevated dissolved substances are negatively affecting the aquatic community	Physical/Chemical Monitoring
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